

Water Chiller

TT-28'000

For water temperatures from +10°C up to +40°C,
at ambient temperatures up to +45°C

- No need to refill
- Mobile unit for individual machine or multi-machine application
- The solution to save on precious water



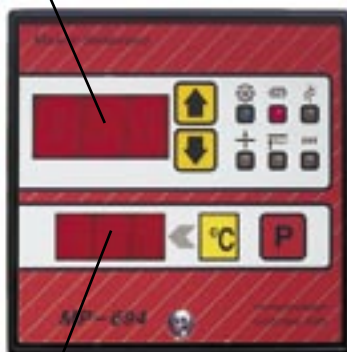
Operational characteristics

Closed water circuit. The unit is equipped with a corrosion free water tank with a content of 150 litres. Once the water has cooled down to the required temperature, the compressor cuts out. It switches on again after the temperature has increased.

The switch-on-point can be adjusted on the digital microprocessor controller. The circulation pump is running continuously.

- Automatic or manual refill.
- Long life expectancy due to the electronic control of operating time of the compressor.
- All components are made of stainless steel or bronze.
- Automatic level control with pre-warning at low water level.
- Audible alarm in case of failure.
- Anti-freeze thermostat prevents freezing of the chiller.
- Indication lamps for thermal relay of pump and compressor, anti-freeze, low pressure and high temperature.
- Castors.

Set temperatures



Actual temperatures

Electronic microprocessor controller

Digital displays show set and actual temperatures. Upper and lower limit of temperature band (hysteresis) adjustable. Therefore, a longer ON/OFF period of compressor is guaranteed – the regulating accuracy of unit can be adjusted.



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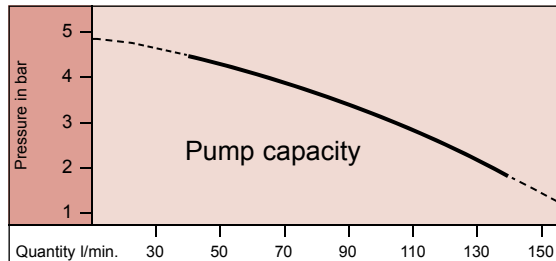
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Installation

The model TT-28'000 is designed for inside use. An increase in ambient temperature is unlikely where room height is higher than 3 m.

Quality = TOOL-TEMP



Technical Data

There are 3 different models available:

TT-28'000

Air-cooled standard unit

TT-28'000 H

Air-cooled unit with heating element

TT-28'000 WK

Water-cooled unit

	TT-28'000	TT-28'000 H	TT-28'000 WK
Cooling capacity			
<i>Nominal</i>	28 kW	28 kW	28 kW
Temperature range			
<i>Circulating water</i>	+10°C up to +40°C	+10°C up to +40°C	+10°C up to +40°C
<i>Air temperature</i>	+2°C up to +45°C	+2°C up to +45°C	+2°C up to +45°C
Heating	none	6 kW	none
Contents water tank	150 l	150 l	150 l
Refrigerating agent	R-134a	R-134a	R-134a
Temperature control	Self-optimising microprocessor controller with digital display of set and actual temperatures		
Pump capacity	max. 4,8 bar / max. 140 l/min. - at 100 l/min. 3,0 bar		
Compressor	Hermetically sealed		
Condenser	Air cooled, air inlet located on the rear, blow out located on the top		
Air volume	5'700 m ³ /h	5'700 m ³ /h	no fan
Power consumption	approx. 8,5 kW	approx. 8,5 kW	approx. 8,1 kW
Connections			
<i>TO/FROM mould</i>	1" female thread	1" female thread	1" female thread
<i>Automatic water refill</i>	3/8" female thread	3/8" female thread	3/8" female thread
<i>Cooling water IN</i>			3/4" female thread
<i>Cooling water OUT</i>			1" female thread
Dimensions	L 1'100 x W 790 x H 1'660 mm incl. castors		
Noise level (in 3 m distance)	73 dBA	73 dBA	68 dBA
Weight	approx. 330 kg empty		
Colour	Silver grey RAL 7001 or stainless steel case, not varnished		

The model TT-28'000 WK is water cooled and need at least 1,5 bar water pressure:

with cooling tower water (approx. 30°C): approx. 30 - 50 l/min. cooling water consumption
 with tap water (approx. 10 - 15°C): approx. 20 - 25 l/min. cooling water consumption

TOOL-TEMP product range

Temperature control units from 3 kW up to 150 kW heating capacity
 Water chillers from 5 kW up to 500 kW cooling capacity
 Conditioning baths for polyamide parts



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